

Figure 1

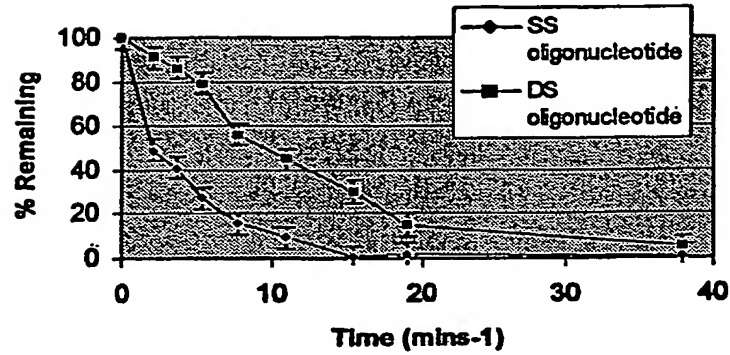


Figure 2

Loading time effect

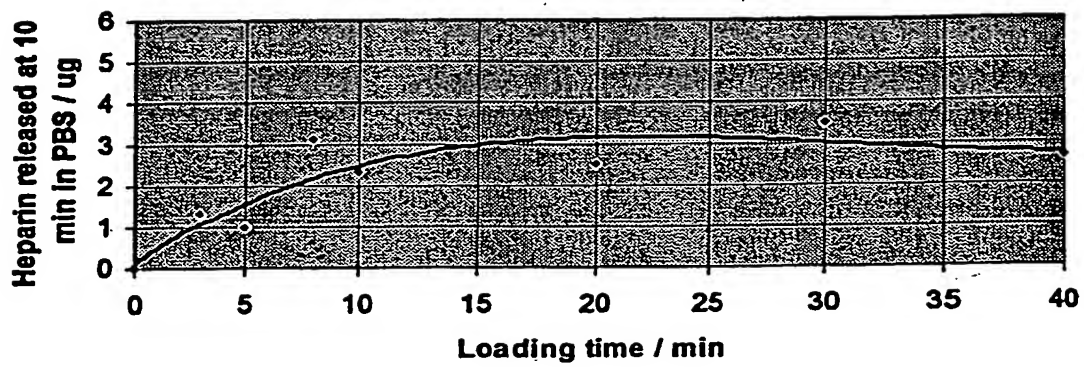


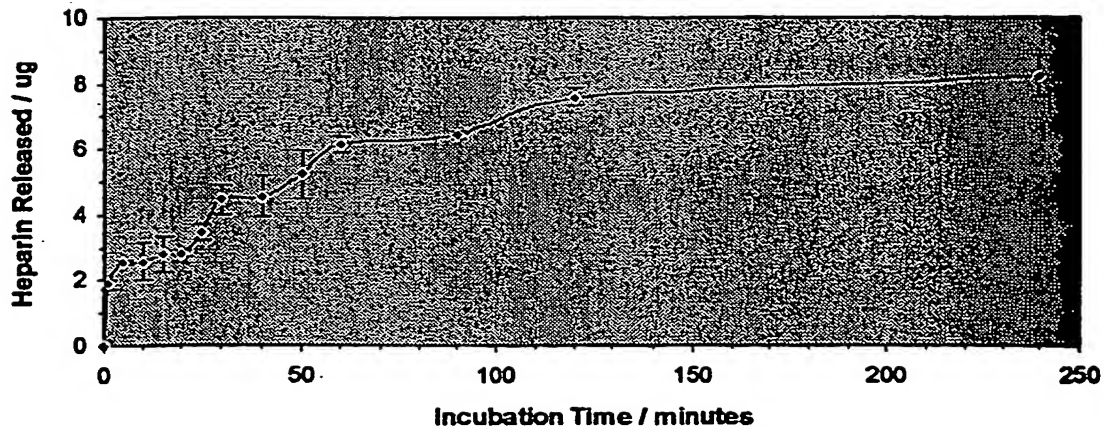
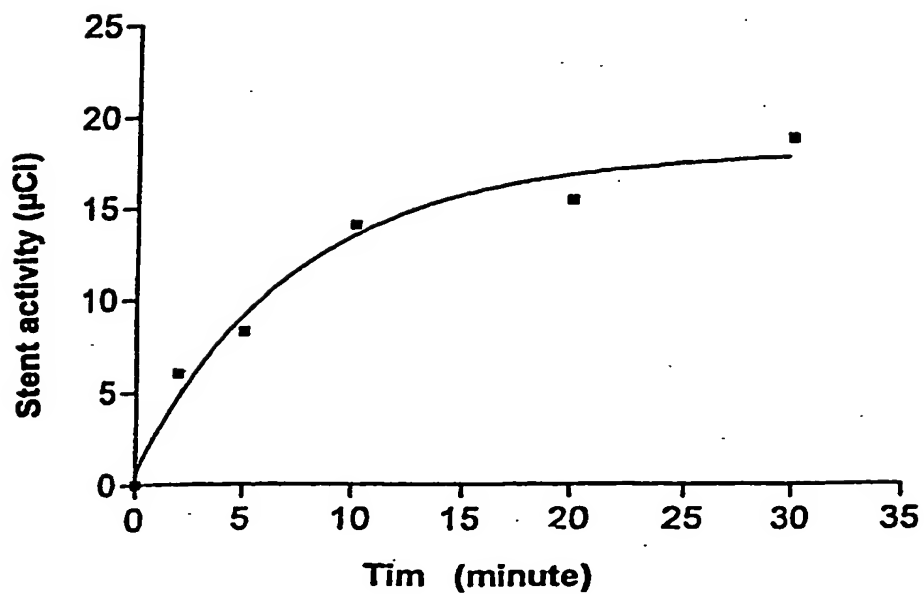
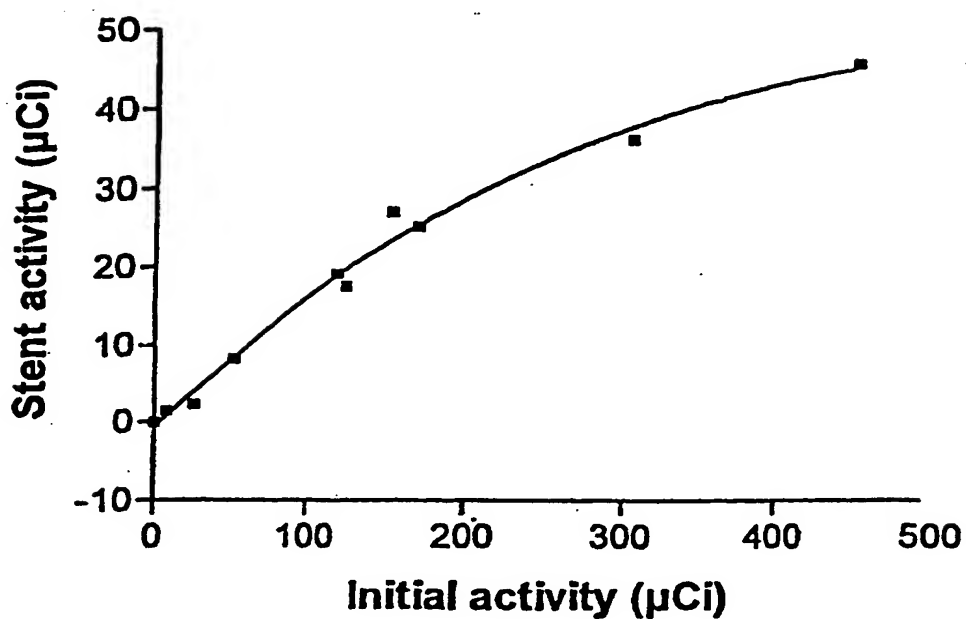
Figure 3**Accumulated heparin Release Profile****Figure 4****Effect of time on 15-mer loading on stent**

Figure 5

Effect of oligomer concentration
(initial activity) on stent loading

**Figure 6**

Effect of temperature of 15-mer loading

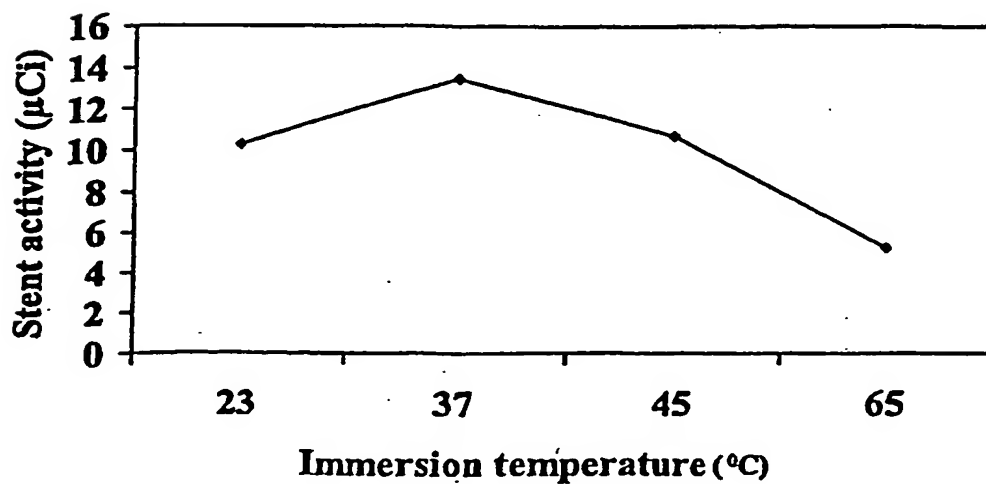
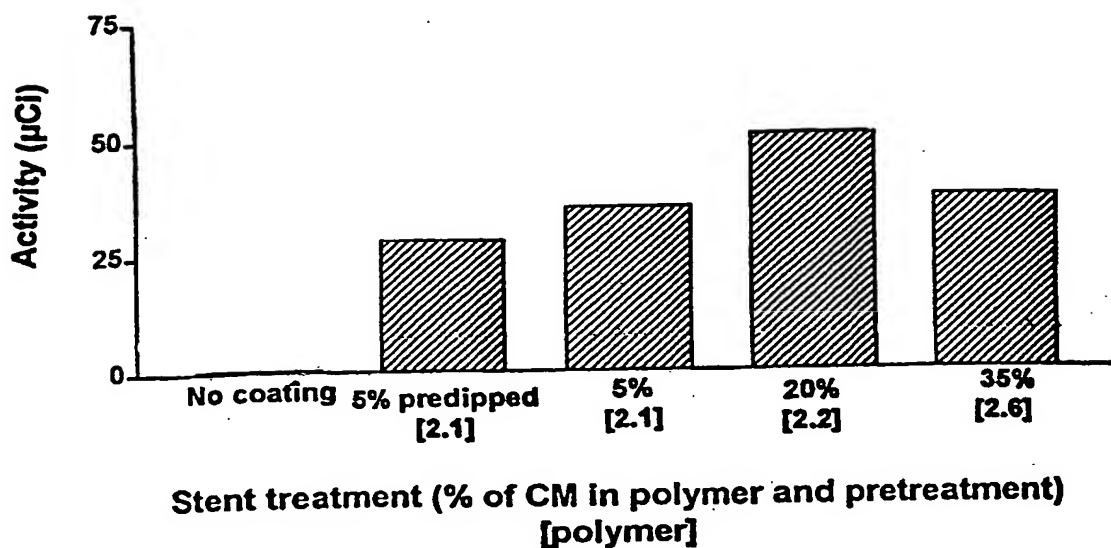


Figure 7

Loading of 15 mer (initial activity: 211 μ Ci) on PC coated Biodyvisio stents

**Figure 8**

Yields of loading for the 32P-15 mers onto the PC Biodivysio stents

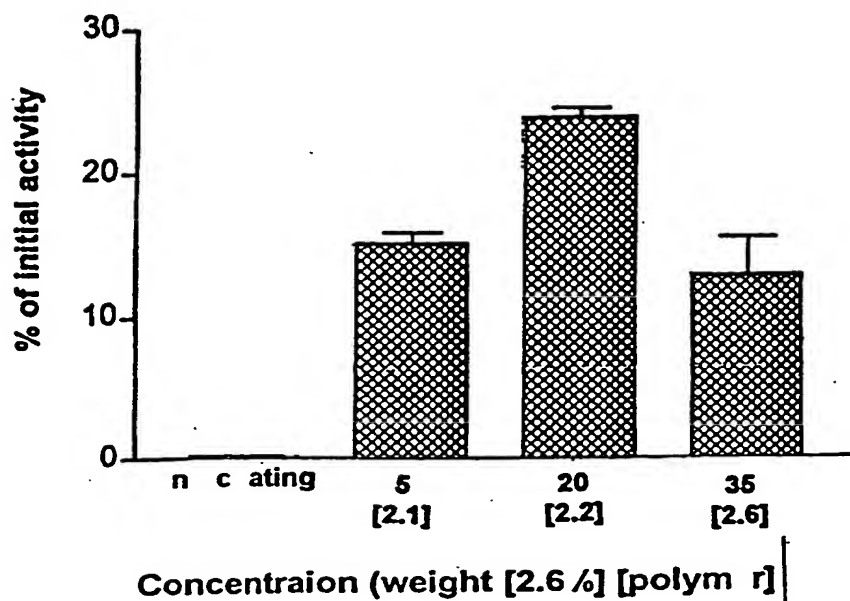
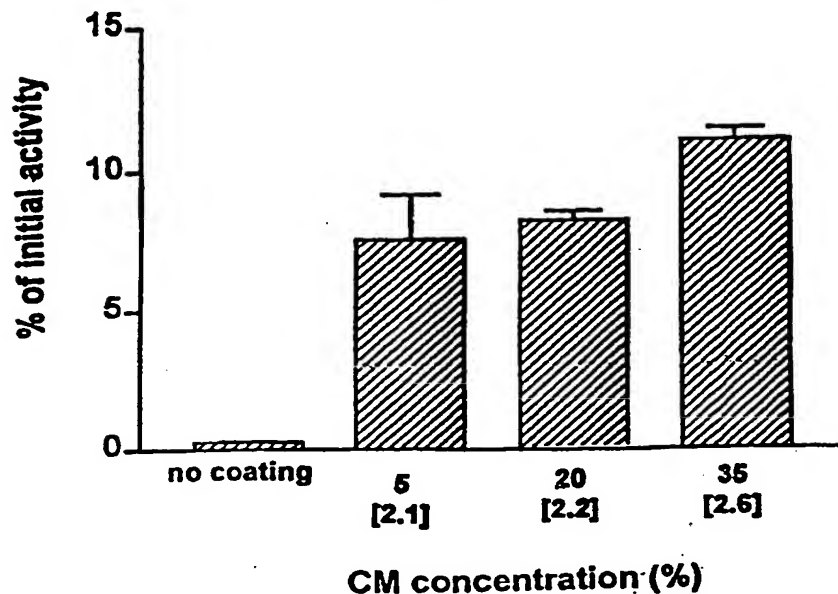


Figure 9

**Yields of loading for the ^{32}P -32mers onto the
PC Blodivyslo stents**

**Figure 10**

Elution profile of 15 mer loaded PC stents

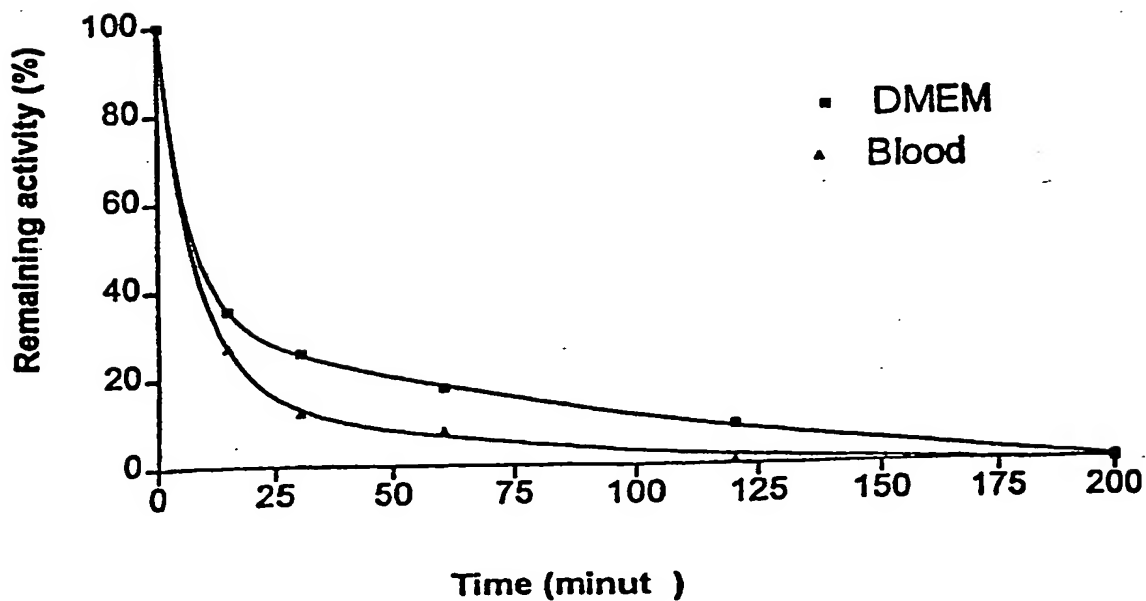
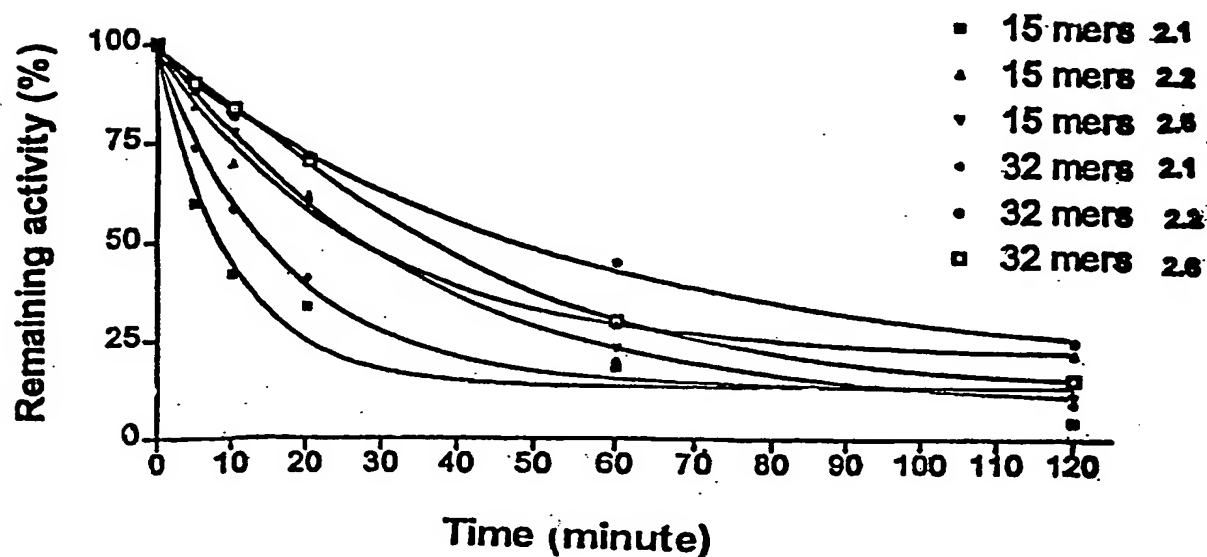


Figure 11

Elution of ^{32}P labelled oligonucleotides (15 and 32 mers) loaded on PC Biodyvisio stents after incubation in blood at 37° C.

**Figure 12**

Remaining activities (μCi) 30 minutes after 15 mer loaded PC stent (15 x 3.5 mm) deployment in the pig's LCX arter (initial stent activity: 12 μCi)

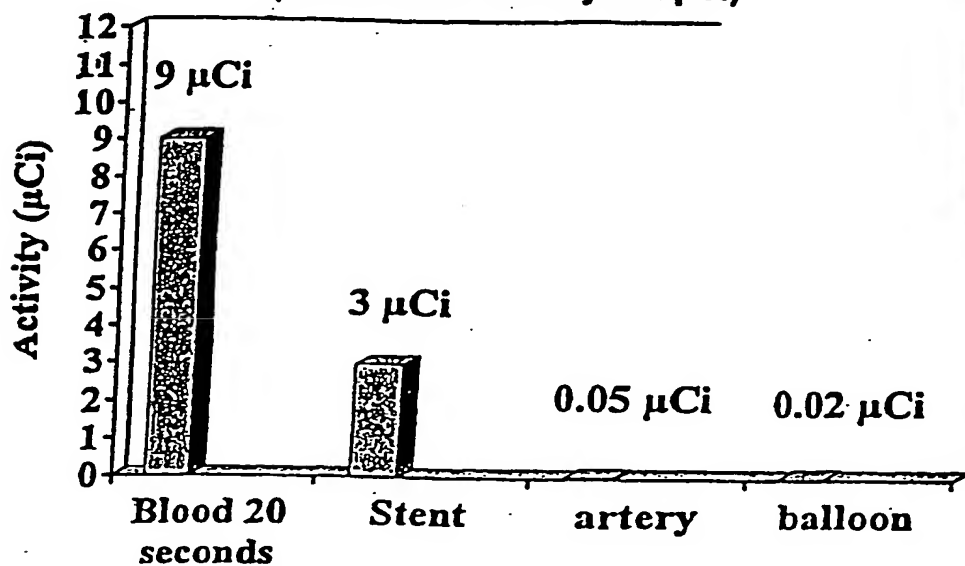


Figure 13

**Elution of ^{23}P labeled 32 mers from polymer 2.2 coated
Biodyvisio PC stent deployed in pig's LAD artery**

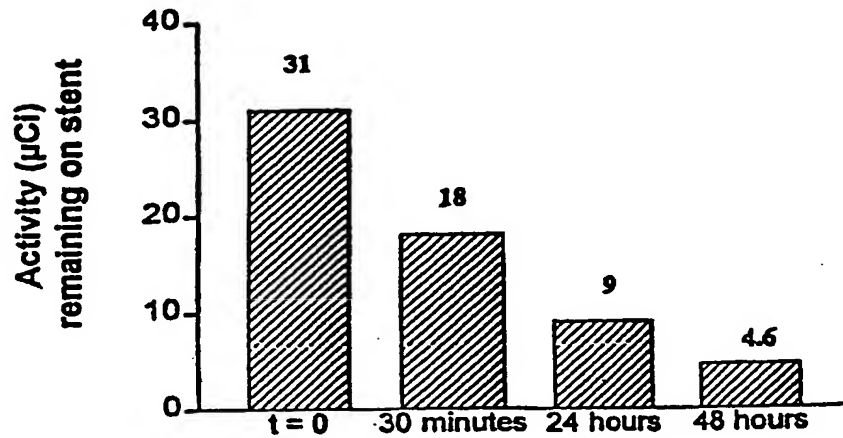
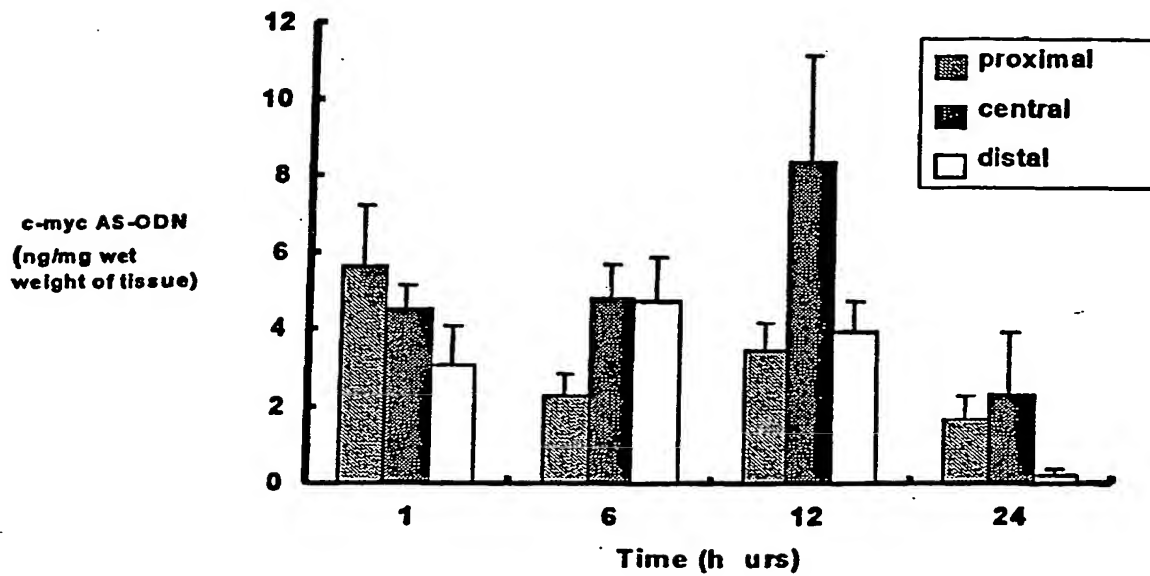
**Figure 14**

Figure 15

In vivo follow-up of coated stents

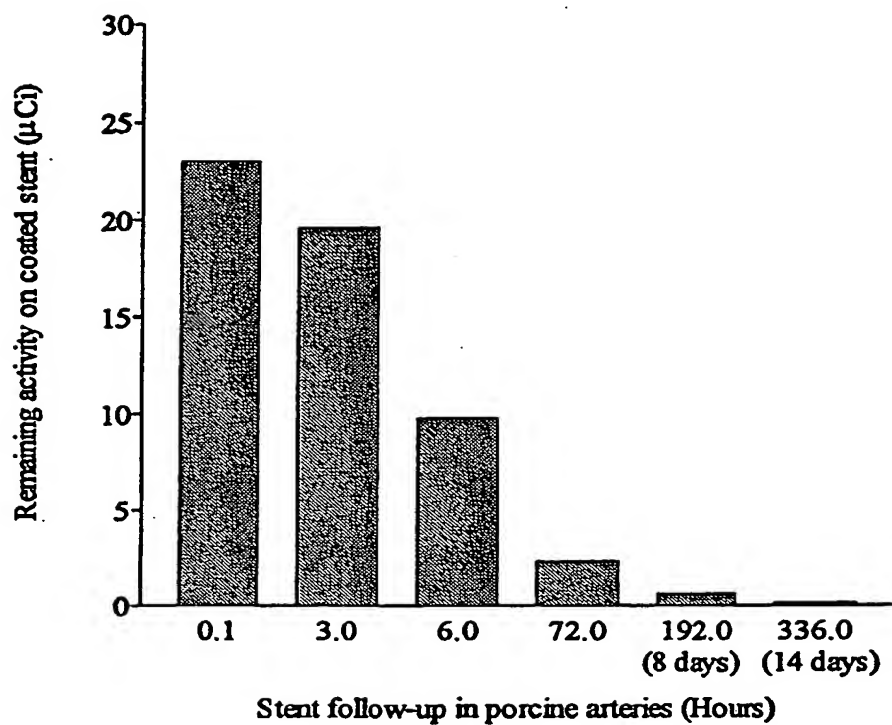


Figure 16

In vivo follow-up of coronary arteries

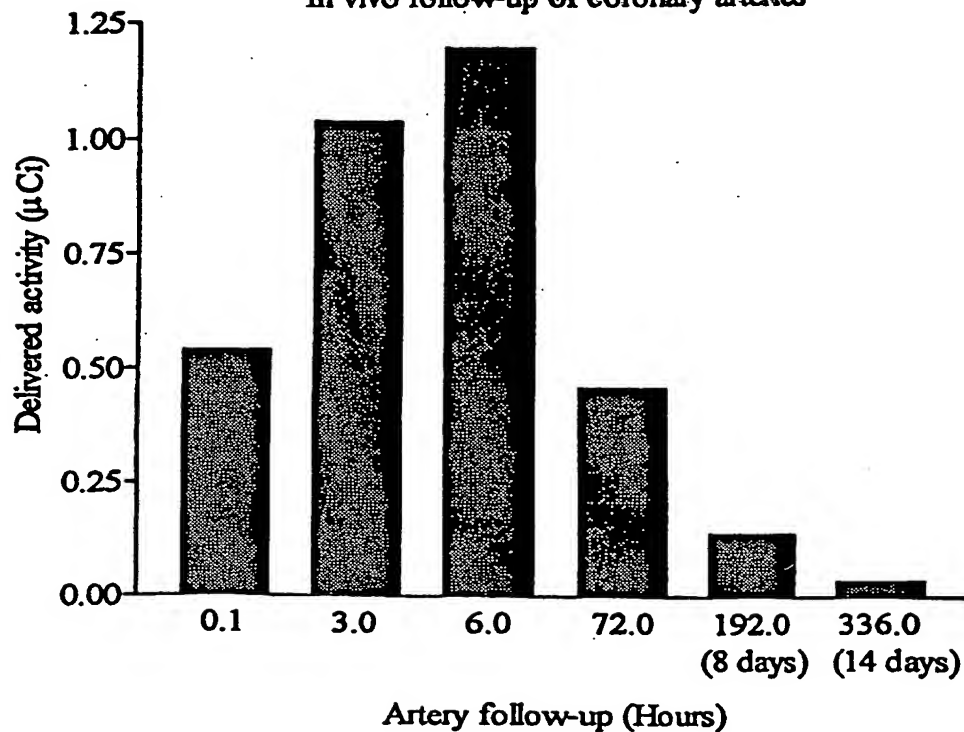
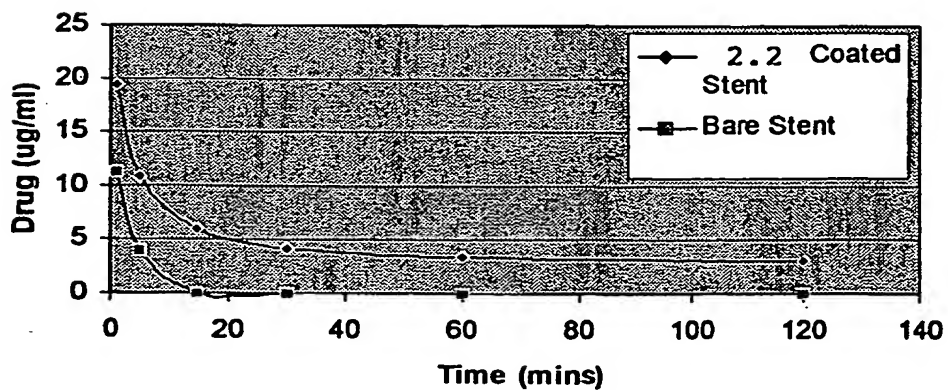
**Figure 17**

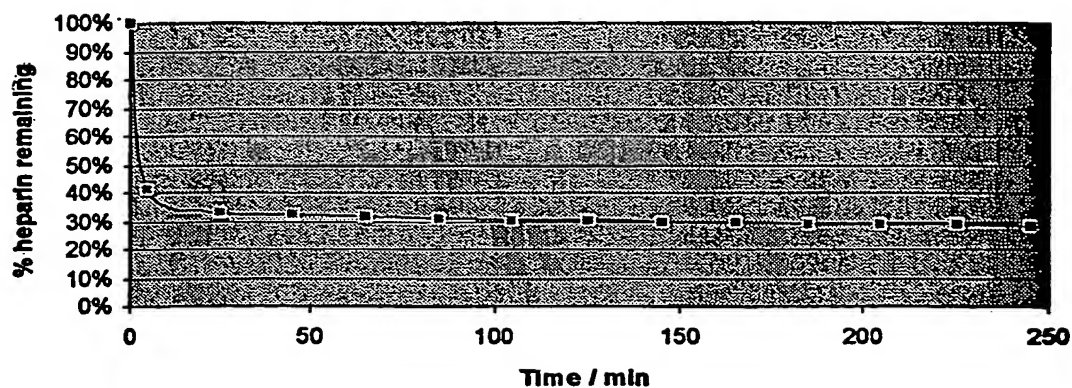
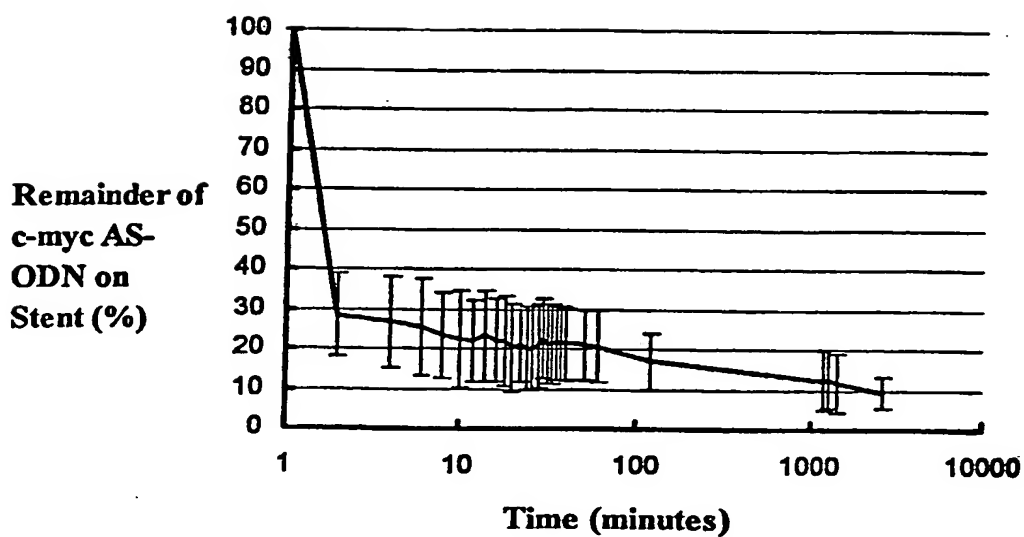
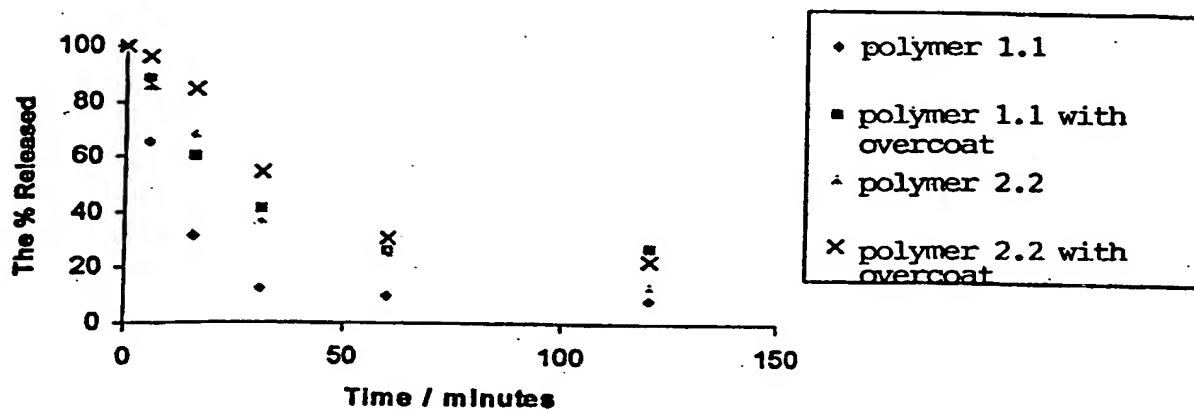
Figure 18**Radioactive heparin release profile (2.2)****Figure 19**

Figure 20

Comparison of the release rates of DNA-plasmid from various coating systems

**Figure 21**

The amount of DNA-plasmid eluted from various coatings

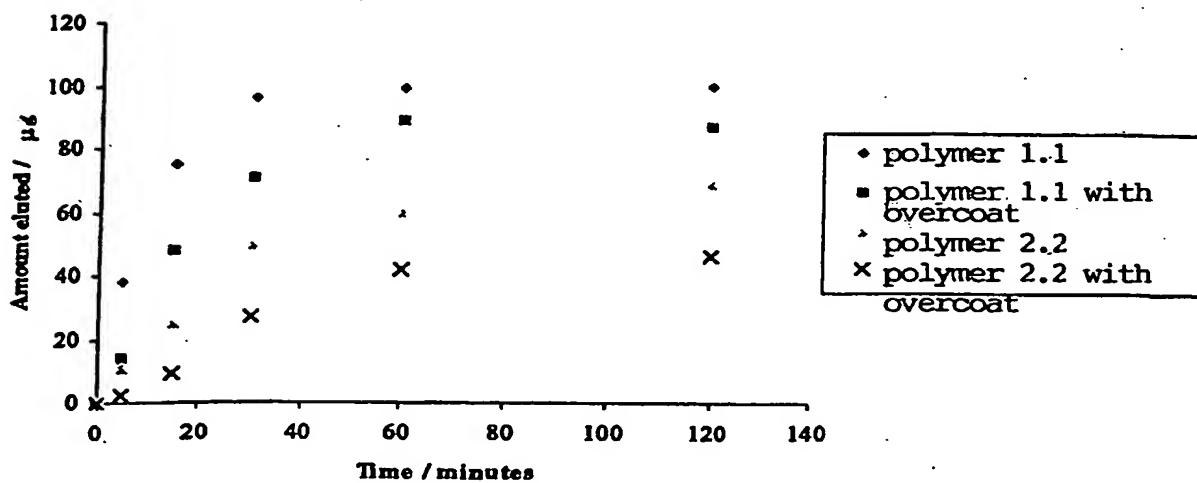


Figure 22**The Elution of DNA-plasmid from various coatings on steel coupons**